

## CONCUSSION TREATMENT IMPROVES ATHLETE'S BATTING AVERAGE

At the age of 16, John Sansone already had a history of three concussions, all of which occurred within a six month period. John was baseball star at his high school, however, his father stated that since his concussions he had seen a gradual deterioration of John's coordination, specifically in his ability to see and hit a baseball. John was also experiencing a decrease in reaction time and quickness.

John's father first took his son to the UPMC Concussion Center, where he took a baseline test, was evaluated, and then sent home with instructions to "rest." After two weeks John was instructed to slowly reintroduce physical activity. He was also asked to return to the clinic after the six week period to retake the baseline test to evaluate status improvement.

### PATIENT'S CONCERNS

Along with his inability to perform at his usual athletic level, John was also experiencing headaches on a frequent basis. John reports that he was having difficulty concentrating during school and would become extremely tired if he attempted to read more than two pages of a book. John and his father reported that the followup baseline test results were worse than the initial test. John's father stated that as a result of his son's concussion and corresponding symptoms he would not allow his son to play football in the upcoming season.

### INITIAL FINDINGS

After assessing John Sansone and his symptoms on March 17, 2009, Dr. Charles Simkovich determined the following findings: Initial Findings: Meningeal torque, bilaterally anterior C1, posterior cloacal/labyrinthine, AP switching mechanism, K27, anterior cloacal/ocular, oculo=labyrinthine, neckrighting, LTM, dural defense, inferior lesser sphenoid, sphenobasilar fault, sphenoid tilt, sphenovestibular (auditory and visual).

### TREATMENT AND OUTCOME\*

Dr. Simkovich performed 12 treatments over a nine week period on John until initial findings were corrected. Dr. Simkovich determined that John displayed four of four possible cranial injury complexes. Prior to this treatment, John's batting average was .224 with no record of home runs. He was timed on 3142009 in the 60yard dash at 7.4 seconds. After treatment, John's batting average increased to .396 and he hit 7 home runs, which tied him for 2nd in the WPIAL (Western Pennsylvania Interscholastic Athletic League). His 60yard dash time improved to 6.9 seconds on 6242009.

### DOCTOR'S COMMENTS

Dr. Simkovich states, "the patient illustrates that the effects of a concussion continue to have a detrimental, ongoing effect on the patient until the proper cranial correction(s) are made, allowing the brain to heal and rehabilitate. Further, it illustrates that the traditional prescription of "rest" does not correct cranial faults that are the direct result of head trauma."

\*All measurements are independent of the treating physician.